SEQUENCE LISTING

<110> INCYTE PHARMACEUTICALS, INC.
TANG, Y. Tom
HILLMAN, Jennifer L.
YUE, Henry
AZIMZAI, Yalda
BAUGHN, Mariah R.
TRAN, Bao

<120> HUMAN LIPID-ASSOCIATED PROTEINS

<130> PF-0676 PCT

<140> To Be Assigned
<141> Herewith

<150> 60/120,703; 60/142,762
<151> 1999-02-19; 1999-07-08

<160> 24

<170> PERL Program

<210> 1
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<213> Homo sapiens

<220>
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Phe Arg Glu Arg Val Ser Pro Val His Leu Gln Ile Leu Leu Thr
             20                  25                  30
Asn Asn Glu Ala Trp Lys Arg Phe Val Thr Ala Ala Glu Leu Pro
             35                  40                  45
Arg Asp Glu Ala Asp Ala Leu Tyr Glu Ala Leu Lys Lys Leu Arg
             50                  55                  60
Thr Tyr Ala Ala Ile Glu Asp Glu Tyr Val Gln Gln Lys Asp Glu
             65                  70                  75
Gln Phe Arg Glu Trp Phe Leu Lys Glu Phe Pro Gln Val Lys Arg
             80                  85                  90
Lys Ile Gln Glu Ser Ile Glu Lys Leu Arg Ala Leu Ala Asn Gly
             95                 100                 105
Ile Glu Glu Val His Arg Gly Cys Thr Ile Ser Asn Val Val Ser
            110                 115                 120
Ser Ser Thr Gly Ala Ala Ser Gly Ile Met Ser Leu Ala Gly Leu
            125                 130                 135
Val Leu Ala Pro Phe Thr Ala Gly Thr Ser Leu Ala Leu Thr Ala
            140                 145                 150
Ala Gly Val Gly Leu Gly Ala Ala Ser Ala Val Thr Gly Ile Thr
            155                 160                 165
Thr Ser Ile Val Glu His Ser Tyr Thr Ser Ser Ala Glu Ala Glu
            170                 175                 180
Ala Ser Arg Leu Thr Ala Thr Ser Ile Asp Arg Leu Lys Val Phe
            185                 190                 195
Lys Glu Val Met Arg Asp Ile Thr Pro Asn Leu Leu Ser Leu Leu
            200                 205                 210
Asn Asn Tyr Tyr Glu Ala Thr Gln Thr Ile Gly Ser Glu Ile Arg
            215                 220                 225
Ala Ile Arg Gln Ala Arg Ala Arg Ala Arg Leu Pro Val Thr Thr
            230                 235                 240
Trp Arg Ile Ser Ala Gly Ser Gly Gly Gln Ala Glu Arg Thr Ile
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245 250 255
Ala Gly Thr Thr Arg Ala Val Ser Arg Gly Ala Arg Ile Leu Ser
260 265 270
Ala Thr Thr Ser Gly Ile Phe Leu Ala Leu Asp Val Val Asn Leu
275 280 285
Val Tyr Glu Ser Lys His Leu His Glu Gly Ala Lys Ser Ala Ser
290 295 300
Ala Glu Glu Leu Arg Arg Gln Ala Gln Glu Leu Glu Glu Asn Leu
305 310 315
Met Glu Leu Thr Gln Ile Tyr Gln Arg Leu Asn Pro Cys His Thr
320 325 330
His

<210> 2
<211> 480
<212> PRT
<213> Homo sapiens

<220>
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<400> 2
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1 5 10 15
Ser Asp Asn Ser Ser Gly Glu Phe Ser Glu Ala Asn Gln Lys Val
20 25 30
Thr Gly Met Ile Asp Leu Asp Thr Ser Lys Asn Asn Arg Ile Gly
35 40 45
Lys Thr Gly Glu Arg Pro Ser Gln Glu Asn Gly Ile Gln Lys His
50 55 60
Arg Thr Ser Leu Pro Ala Pro Met Phe Ser Arg Ser Asp Phe Ser
65 70 75
Val Trp Thr Ile Leu Lys Lys Cys Val Gly Leu Glu Leu Ser Lys
80 85 90
Ile Thr Met Pro Ile Ala Phe Asn Glu Pro Leu Ser Phe Leu Gln
95 100 105
Arg Ile Thr Glu Tyr Met Glu His Val Tyr Leu Ile His Arg Ala
110 115 120
Ser Cys Gln Pro Gln Pro Leu Glu Arg Met Gln Ser Val Ala Ala
125 130 135
Phe Ala Val Ser Ala Val Ala Ser Gln Trp Glu Arg Thr Gly Lys
140 145 150
Pro Phe Asn Pro Leu Leu Gly Glu Thr Tyr Glu Leu Ile Arg Glu
155 160 165
Asp Leu Gly Phe Arg Phe Ile Ser Glu Gln Val Ser His His Pro
170 175 180
Pro Ile Ser Ala Phe His Ser Glu Gly Leu Asn His Asp Phe Leu
185 190 195
Phe His Gly Ser Ile Tyr Pro Lys Leu Lys Phe Trp Gly Lys Ser
200 205 210
Val Glu Ala Glu Pro Arg Gly Thr Ile Thr Leu Glu Leu Leu Lys
215 220 225
His Asn Glu Ala Tyr Thr Trp Thr Asn Pro Thr Cys Cys Val His
230 235 240
Asn Val Ile Ile Gly Lys Leu Trp Ile Glu Gln Tyr Gly Thr Val
245 250 255
Glu Ile Leu Asn His Arg Thr Gly His Lys Cys Val Leu His Phe
260 265 270
Lys Pro Cys Gly Leu Phe Gly Lys Glu Leu His Lys Val Glu Gly
275 280 285
His Ile Gln Asp Lys Asn Lys Lys Lys Leu Phe Met Ile Tyr Gly
290 295 300
Lys Trp Thr Glu Cys Leu Trp Gly Ile Asp Pro Val Ser Tyr Glu
305 310 315
Ser Phe Lys Lys Gln Glu Arg Arg Gly Asp His Leu Arg Lys Ala
320 325 330

Lys Leu Asp Glu Asp Ser Gly Lys Ala Asp Ser Asp Val Ala Asp
335 340 345
Asp Val Pro Val Ala Gln Glu Thr Val Gln Val Ile Pro Gly Ser
350 355 360
Lys Leu Leu Trp Arg Ile Asn Thr Arg Pro Pro Asn Ser Ala Gln
365 370 375
Met Tyr Asn Phe Thr Ser Phe Thr Val Ser Leu Asn Glu Leu Glu
380 385 390
Thr Gly Met Glu Lys Thr Leu Pro Pro Thr Asp Cys Arg Leu Arg
395 400 405
Pro Asp Ile Arg Gly Met Glu Asn Gly Asn Met Asp Leu Ala Ser
410 415 420
Gln Glu Lys Glu Arg Leu Glu Glu Lys Gln Arg Glu Ala Arg Arg
425 430 435
Glu Arg Ala Lys Glu Glu Ala Glu Trp Gln Thr Arg Trp Phe Tyr
440 445 450
Pro Gly Asn Asn Pro Tyr Thr Gly Thr Pro Asp Trp Leu Tyr Ala
455 460 465
Gly Asp Tyr Phe Glu Arg Asn Phe Ser Asp Cys Pro Asp Ile Tyr
470 475 480

<210> 3
<211> 409
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte ID No: 2454393CD1

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Val Ala Pro Trp Arg Ser Ser Leu His Pro Cys Glu Ile Thr Ala
20 25 30
Leu Ser Gln Ser Leu Gln Pro Leu Arg Lys Leu Pro Phe Arg Ala
35 40 45
Phe Arg Thr Asp Ala Arg Lys Ile His Thr Ala Pro Ala Arg Thr
50 55 60
Met Phe Leu Leu Arg Pro Leu Pro Ile Leu Leu Val Thr Gly Gly
65 70 75
Gly Tyr Ala Gly Tyr Arg Gln Tyr Glu Lys Tyr Arg Glu Arg Glu
80 85 90
Leu Glu Lys Leu Gly Leu Glu Ile Pro Pro Lys Leu Ala Gly His
95 100 105
Trp Glu Val Ala Leu Tyr Lys Ser Val Pro Thr Arg Leu Leu Ser
110 115 120
Arg Ala Trp Gly Arg Leu Asn Gln Val Glu Leu Pro His Trp Leu
125 130 135
Arg Arg Pro Val Tyr Ser Leu Tyr Ile Trp Thr Phe Gly Val Asn
140 145 150
Met Lys Glu Ala Ala Val Glu Asp Leu His His Tyr Arg Asn Leu
155 160 165
Ser Glu Phe Phe Arg Arg Lys Leu Lys Pro Gln Ala Arg Pro Val
170 175 180
Cys Gly Leu His Ser Val Ile Ser Pro Ser Asp Gly Arg Ile Leu
185 190 195
Asn Phe Gly Gln Val Lys Asn Cys Glu Val Glu Gln Val Lys Gly
200 205 210
Val Thr Tyr Ser Leu Glu Ser Phe Leu Gly Pro Arg Met Cys Thr
215 220 225
Glu Asp Leu Pro Phe Pro Pro Ala Ala Ser Cys Asp Ser Phe Lys
230 235 240
Asn Gln Leu Val Thr Arg Glu Gly Asn Glu Leu Tyr His Cys Val
245 250 255
Ile Tyr Leu Ala Pro Gly Asp Tyr His Cys Phe His Ser Pro Thr
260 265 270

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Asp Trp Thr Val Ser His Arg Arg His Phe Pro Gly Ser Leu Met
                275                 280                 285
Ser Val Asn Pro Gly Met Ala Arg Trp Ile Lys Glu Leu Phe Cys
                290                 295                 300
His Asn Glu Arg Val Val Leu Thr Gly Asp Trp Lys His Gly Phe
                305                 310                 315
Phe Ser Leu Thr Ala Val Gly Ala Thr Asn Val Gly Ser Ile Arg
                320                 325                 330
Ile Tyr Phe Asp Arg Asp Leu His Thr Asn Ser Pro Arg His Ser
                335                 340                 345
Lys Gly Ser Tyr Asn Asp Phe Ser Phe Val Thr His Thr Asn Arg
                350                 355                 360
Glu Gly Val Pro Met Arg Lys Gly Glu His Leu Gly Glu Phe Asn
                365                 370                 375
Leu Gly Ser Thr Ile Val Leu Ile Phe Glu Ala Pro Lys Asp Phe
                380                 385                 390
Asn Phe Gln Leu Lys Thr Gly Gln Lys Ile Arg Phe Gly Glu Ala
                395                 400                 405
Leu Gly Ser Leu


<210> 4
<211> 759
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2766980CD1

<400> 4
Met Glu Ser Ser Pro Phe Asn Arg Arg Gln Trp Thr Ser Leu Ser
  1                 5                  10                  15
Leu Arg Val Thr Ala Lys Glu Leu Ser Leu Val Asn Lys Asn Lys
                 20                  25                  30
Ser Ser Ala Ile Val Glu Ile Phe Ser Lys Tyr Gln Lys Ala Ala
                 35                  40                  45
Glu Glu Thr Asn Met Glu Lys Lys Arg Ser Asn Thr Glu Asn Leu
                 50                  55                  60
Ser Gln His Phe Arg Lys Gly Thr Leu Thr Val Leu Lys Lys Lys
                 65                  70                  75
Trp Glu Asn Pro Gly Leu Gly Ala Glu Ser His Thr Asp Ser Leu
                 80                  85                  90
Arg Asn Ser Ser Thr Glu Ile Arg His Arg Ala Asp His Pro Pro
                 95                 100                 105
Ala Glu Val Thr Ser His Ala Ala Ser Gly Ala Lys Ala Asp Gln
                110                 115                 120
Glu Glu Gln Ile His Pro Arg Ser Arg Leu Arg Ser Pro Pro Glu
                125                 130                 135
Ala Leu Val Gln Gly Arg Tyr Pro His Ile Lys Asp Gly Glu Asp
                140                 145                 150
Leu Lys Asp His Ser Thr Glu Ser Lys Lys Met Glu Asn Cys Leu
                155                 160                 165
Gly Glu Ser Arg His Glu Val Glu Lys Ser Glu Ile Ser Glu Asn
                170                 175                 180
Thr Asp Ala Ser Gly Lys Ile Glu Lys Tyr Asn Val Pro Leu Asn
                185                 190                 195
Arg Leu Lys Met Met Phe Glu Lys Gly Glu Pro Thr Gln Thr Lys
                200                 205                 210
Ile Leu Arg Ala Gln Ser Arg Ser Ala Ser Gly Arg Lys Ile Ser
                215                 220                 225
Glu Asn Ser Tyr Ser Leu Asp Asp Leu Glu Ile Gly Pro Gly Gln
                230                 235                 240
Leu Ser Ser Ser Thr Phe Asp Ser Glu Lys Asn Glu Ser Arg Arg
                245                 250                 255
Asn Leu Glu Leu Pro Arg Leu Ser Glu Thr Ser Ile Lys Asp Arg
                260                 265                 270
Met Ala Lys Tyr Gln Ala Ala Val Ser Lys Gln Ser Ser Ser Thr
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                275                 280                 285
Asn Tyr Thr Asn Glu Leu Lys Ala Ser Gly Gly Glu Ile Lys Ile
                290                 295                 300
His Lys Met Glu Gln Lys Glu Asn Val Pro Pro Gly Pro Glu Val
                305                 310                 315
Cys Ile Thr His Gln Glu Gly Glu Lys Ile Ser Ala Asn Glu Asn
                320                 325                 330
Ser Leu Ala Val Arg Ser Thr Pro Ala Glu Asp Asp Ser Arg Asp
                335                 340                 345
Ser Gln Val Lys Ser Glu Val Gln Gln Pro Val His Pro Lys Pro
                350                 355                 360
Leu Ser Pro Asp Ser Arg Ala Ser Ser Leu Ser Glu Ser Ser Pro
                365                 370                 375
Pro Lys Ala Met Lys Lys Phe Gln Ala Pro Ala Arg Glu Thr Cys
                380                 385                 390
Val Glu Cys Gln Lys Thr Val Tyr Pro Met Glu Arg Leu Leu Ala
                395                 400                 405
Asn Gln Gln Val Phe His Ile Ser Cys Phe Arg Cys Ser Tyr Cys
                410                 415                 420
Asn Asn Lys Leu Ser Leu Gly Thr Tyr Ala Ser Leu His Gly Arg
                425                 430                 435
Ile Tyr Cys Lys Pro His Phe Asn Gln Leu Phe Lys Ser Lys Gly
                440                 445                 450
Asn Tyr Asp Glu Gly Phe Gly His Arg Pro His Lys Asp Leu Trp
                455                 460                 465
Ala Ser Lys Asn Glu Asn Glu Glu Ile Leu Glu Arg Pro Ala Gln
                470                 475                 480
Leu Ala Asn Ala Arg Glu Thr Pro His Ser Pro Gly Val Glu Asp
                485                 490                 495
Ala Pro Ile Ala Lys Val Gly Val Leu Ala Ala Ser Met Glu Ala
                500                 505                 510
Lys Ala Ser Ser Gln Gln Glu Lys Glu Asp Lys Pro Ala Glu Thr
                515                 520                 525
Lys Lys Leu Arg Ile Ala Trp Pro Pro Pro Thr Glu Leu Gly Ser
                530                 535                 540
Ser Gly Ser Ala Leu Glu Glu Gly Ile Lys Met Ser Lys Pro Lys
                545                 550                 555
Trp Pro Pro Glu Asp Glu Ile Ser Lys Pro Glu Val Pro Glu Asp
                560                 565                 570
Val Asp Leu Asp Leu Lys Lys Leu Arg Arg Ser Ser Ser Leu Lys
                575                 580                 585
Glu Arg Ser Arg Pro Phe Thr Val Ala Ala Ser Phe Gln Ser Thr
                590                 595                 600
Ser Val Lys Ser Pro Lys Thr Val Ser Pro Pro Ile Arg Lys Gly
                605                 610                 615
Trp Ser Met Ser Glu Gln Ser Glu Glu Ser Val Gly Gly Arg Val
                620                 625                 630
Ala Glu Arg Lys Gln Val Glu Asn Ala Lys Ala Ser Lys Lys Asn
                635                 640                 645
Gly Asn Val Gly Lys Thr Thr Trp Gln Asn Lys Glu Ser Lys Gly
                650                 655                 660
Glu Thr Gly Lys Arg Ser Lys Glu Gly His Ser Leu Glu Met Glu
                665                 670                 675
Asn Glu Asn Leu Val Glu Asn Gly Ala Asp Ser Asp Glu Asp Asp
                680                 685                 690
Asn Ser Phe Leu Lys Gln Gln Ser Pro Gln Glu Pro Lys Ser Leu
                695                 700                 705
Asn Trp Ser Ser Phe Val Asp Asn Thr Phe Ala Glu Glu Phe Thr
                710                 715                 720
Thr Gln Asn Gln Lys Ser Gln Asp Val Glu Leu Trp Glu Gly Glu
                725                 730                 735
Val Val Lys Glu Leu Ser Val Glu Glu Gln Ile Lys Arg Asn Arg
                740                 745                 750
Tyr Tyr Asp Glu Asp Glu Asp Glu Glu
                755
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<210> 5

<211> 226
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte ID No: 2768356CD1

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1 5 10 15
Phe Gly Asp His Phe Glu Trp Asn Lys Val Thr Ser Cys Ile His
20 25 30
Asn Ile Leu Ser Gly Gln Arg Trp Ile Glu His Tyr Gly Glu Ile
35 40 45
Val Ile Lys Asn Leu His Asp Asp Ser Cys Tyr Cys Lys Val Asn
50 55 60
Phe Ile Lys Ala Lys Tyr Trp Ser Thr Asn Ala His Glu Ile Glu
65 70 75
Gly Thr Val Phe Asp Arg Ser Gly Lys Ala Val His Arg Leu Phe
80 85 90
Gly Lys Trp His Glu Ser Ile Tyr Cys Gly Gly Gly Ser Ser Ser
95 100 105
Ala Cys Val Trp Arg Ala Asn Pro Met Pro Lys Gly Tyr Glu Gln
110 115 120
Tyr Tyr Ser Phe Thr Gln Phe Ala Leu Glu Leu Asn Glu Met Asp
125 130 135
Pro Ser Ser Lys Ser Leu Leu Pro Pro Thr Asp Thr Arg Phe Arg
140 145 150
Pro Asp Gln Arg Phe Leu Glu Glu Gly Asn Leu Glu Glu Ala Glu
155 160 165
Ile Gln Lys Gln Arg Ile Glu Gln Leu Gln Arg Glu Arg Arg Arg
170 175 180
Val Leu Glu Glu Asn His Val Glu His Gln Pro Arg Phe Phe Arg
185 190 195
Lys Ser Asp Asp Asp Ser Trp Val Ser Asn Gly Thr Tyr Leu Glu
200 205 210
Leu Arg Lys Asp Leu Gly Phe Ser Lys Leu Asp His Pro Val Leu
215 220 225
Trp

<210> 6
<211> 500
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 5324145CD1

<400> 6
Met Tyr Cys Pro Glu Ser Ala Val Ile Leu Leu Ser Thr Thr Val
1 5 10 15
Leu Glu Asn Val Leu Gln Pro Phe His Phe Arg Ala Gly Thr Met
20 25 30
Ser Lys Leu Pro Lys Phe Glu Ile Glu Leu Pro Ala Ala Pro Lys
35 40 45
Ser Thr Lys Pro Ser Leu Ser Glu Arg Asp Ile Ala Met Ala Thr
50 55 60
Ile Tyr Gly Gln Leu Tyr Val Leu Phe Leu Arg His His Ser Arg
65 70 75
Thr Ser Asn Ser Thr Gly Ala Glu Val Val Leu Tyr His Leu Pro
80 85 90
Arg Glu Gly Ala Cys Lys Lys Met His Ile Leu Lys Leu Asn Arg
95 100 105
Thr Gly Lys Phe Ala Leu Asn Val Val Asp Asn Leu Val Val Val
110 115 120

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His His Gln Asp Thr Glu Thr Ser Val Ile Phe Asp Ile Lys Leu
                125                 130                 135
Arg Gly Glu Phe Asp Gly Ser Val Thr Phe His His Pro Val Leu
                140                 145                 150
Pro Ala Arg Ser Ile Gln Pro Tyr Gln Ile Pro Ile Thr Gly Pro
                155                 160                 165
Ala Ala Val Thr Ser Gln Ser Pro Val Pro Cys Lys Leu Tyr Ser
                170                 175                 180
Ser Ser Trp Ile Val Phe Gln Pro Asp Ile Ile Ile Ser Ala Ser
                185                 190                 195
Gln Gly Tyr Leu Trp Asn Leu Gln Val Lys Leu Glu Pro Ile Val
                200                 205                 210
Asn Leu Leu Pro Asp Lys Gly Arg Leu Met Asp Phe Leu Leu Gln
                215                 220                 225
Arg Lys Glu Cys Lys Met Val Ile Leu Ser Val Cys Ser Gln Met
                230                 235                 240
Leu Ser Glu Ser Asp Arg Ala Ser Leu Pro Val Ile Ala Thr Val
                245                 250                 255
Phe Asp Lys Leu Asn His Glu Tyr Lys Lys Tyr Leu Asp Ala Glu
                260                 265                 270
Gln Ser Tyr Ala Met Ala Val Glu Ala Gly Gln Ser Arg Ser Ser
                275                 280                 285
Pro Leu Leu Lys Arg Pro Val Arg Thr Gln Ala Val Leu Asp Gln
                290                 295                 300
Ser Asp Val Tyr Thr His Val Leu Ser Ala Phe Val Glu Lys Lys
                305                 310                 315
Glu Met Pro His Lys Phe Val Ile Ala Val Leu Met Glu Tyr Ile
                320                 325                 330
Arg Ser Leu Asn Gln Phe Gln Ile Ala Val Gln His Tyr Leu His
                335                 340                 345
Glu Leu Val Ile Lys Thr Leu Val Gln His Asn Leu Phe Tyr Met
                350                 355                 360
Leu His Gln Phe Leu Gln Tyr His Val Leu Ser Asp Ser Lys Pro
                365                 370                 375
Leu Ala Cys Leu Leu Leu Ser Leu Glu Ser Phe Tyr Pro Pro Ala
                380                 385                 390
His Gln Leu Ser Leu Asp Met Leu Lys Arg Leu Ser Thr Ala Asn
                395                 400                 405
Asp Glu Ile Val Glu Val Leu Leu Ser Lys His Gln Val Leu Ala
                410                 415                 420
Ala Leu Arg Phe Ile Arg Gly Ile Gly Gly His Asp Asn Ile Ser
                425                 430                 435
Ala Arg Lys Phe Leu Asp Ala Ala Lys Gln Thr Glu Asp Asn Met
                440                 445                 450
Leu Phe Tyr Thr Ile Phe Arg Phe Phe Glu Gln Arg Asn Gln Arg
                455                 460                 465
Leu Arg Gly Ser Pro Asn Phe Thr Pro Gly Glu His Cys Glu Glu
                470                 475                 480
His Val Ala Phe Phe Lys Gln Ile Phe Gly Asp Gln Ala Leu Met
                485                 490                 495
Arg Pro Thr Thr Phe
                500
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<210> 7
<211> 272
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1004646CD1

<400> 7

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Gly Gln Leu Phe Leu Gln Pro Leu Trp Asp His Leu Arg Ser Trp
                 20                  25                  30
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Glu Ala Leu Leu Gln Ser Pro Phe Phe Pro Val Ile Phe Ser Ile
35 40 45
Thr Thr Tyr Val Gly Phe Cys Leu Pro Phe Val Val Leu Asp Ile
50 55 60
Leu Cys Ser Trp Val Pro Ala Leu Arg Arg Tyr Lys Ile His Pro
65 70 75
Asp Phe Ser Pro Ser Ala Gln Gln Leu Leu Pro Cys Leu Gly Gln
80 85 90
Thr Leu Tyr Gln His Val Met Phe Val Phe Pro Val Thr Leu Leu
95 100 105
His Trp Ala Arg Ser Pro Ala Leu Leu Pro His Glu Ala Pro Glu
110 115 120
Leu Leu Leu Leu Leu His His Ile Leu Phe Cys Leu Leu Leu Phe
125 130 135
Asp Met Glu Phe Phe Val Trp His Leu Leu His His Lys Val Pro
140 145 150
Trp Leu Tyr Arg Thr Phe His Lys Val His His Gln Asn Ser Ser
155 160 165
Ser Phe Ala Leu Ala Thr Gln Tyr Met Ser Val Trp Glu Leu Phe
170 175 180
Ser Leu Gly Phe Phe Asp Met Met Asn Val Thr Leu Leu Gly Cys
185 190 195
His Pro Leu Thr Thr Leu Thr Phe His Val Val Asn Ile Trp Leu
200 205 210
Ser Val Glu Asp His Ser Gly Tyr Asn Phe Pro Trp Ser Thr His
215 220 225
Arg Leu Val Pro Phe Gly Trp Tyr Gly Gly Val Val His His Asp
230 235 240
Leu His His Ser His Phe Asn Cys Asn Phe Ala Pro Tyr Phe Thr
245 250 255
His Trp Asp Lys Ile Leu Gly Thr Leu Arg Thr Ala Ser Val Pro
260 265 270
Ala Arg

<210> 8
<211> 282
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1802851CD1

<400> 8
Met Ser Gly Gly Trp Met Ala Gln Val Gly Ala Trp Arg Thr Gly
1 5 10 15
Ala Leu Gly Leu Ala Leu Leu Leu Leu Leu Gly Leu Gly Leu Gly
20 25 30
Leu Glu Ala Ala Ala Ser Pro Leu Ser Thr Pro Thr Ser Ala Gln
35 40 45
Ala Ala Gly Pro Ser Ser Gly Ser Cys Pro Pro Thr Lys Phe Gln
50 55 60
Cys Arg Thr Ser Gly Leu Cys Val Pro Leu Thr Trp Arg Cys Asp
65 70 75
Arg Asp Leu Asp Cys Ser Asp Gly Ser Asp Glu Glu Glu Cys Arg
80 85 90
Ile Glu Pro Cys Thr Gln Lys Gly Gln Cys Pro Pro Pro Pro Gly
95 100 105
Leu Pro Cys Pro Cys Thr Gly Val Ser Asp Cys Ser Gly Gly Thr
110 115 120
Asp Lys Lys Leu Arg Asn Cys Ser Arg Leu Ala Cys Leu Ala Gly
125 130 135
Glu Leu Arg Cys Thr Leu Ser Asp Asp Cys Ile Pro Leu Thr Trp
140 145 150
Arg Cys Asp Gly His Pro Asp Cys Pro Asp Ser Ser Asp Glu Leu
155 160 165
Gly Cys Gly Thr Asn Glu Ile Leu Pro Glu Gly Asp Ala Thr Thr

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                170                 175                 180
Met Gly Pro Pro Val Thr Leu Glu Ser Val Thr Ser Leu Arg Asn
                185                 190                 195
Ala Thr Thr Met Gly Pro Pro Val Thr Leu Glu Ser Val Pro Ser
                200                 205                 210
Val Gly Asn Ala Thr Ser Ser Ser Ala Gly Asp Gln Ser Gly Ser
                215                 220                 225
Pro Thr Ala Tyr Gly Val Ile Ala Ala Ala Ala Val Leu Ser Ala
                230                 235                 240
Ser Leu Val Thr Ala Thr Leu Leu Leu Leu Ser Trp Leu Arg Ala
                245                 250                 255
Gln Glu Arg Leu Arg Pro Leu Gly Leu Leu Val Ala Met Lys Glu
                260                 265                 270
Ser Leu Leu Leu Ser Glu Gln Lys Thr Ser Leu Pro
                275                 280


<210> 9
<211> 437
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2764333CD1

<400> 9
Met Ser Glu Glu Lys Asp Cys Gly Gly Gly Asp Ala Leu Ser Asn
  1                 5                  10                  15
Gly Ile Lys Lys His Arg Thr Ser Leu Pro Ser Pro Met Phe Ser
                 20                  25                  30
Arg Asn Asp Phe Ser Ile Trp Ser Ile Leu Arg Lys Cys Ile Gly
                 35                  40                  45
Met Glu Leu Ser Lys Ile Thr Met Pro Val Ile Phe Asn Glu Pro
                 50                  55                  60
Leu Ser Phe Leu Gln Arg Leu Thr Glu Tyr Met Glu His Thr Tyr
                 65                  70                  75
Leu Ile His Lys Ala Ser Ser Leu Ser Asp Pro Val Glu Arg Met
                 80                  85                  90
Gln Cys Val Ala Ala Phe Ala Val Ser Ala Val Ala Ser Gln Trp
                 95                 100                 105
Glu Arg Thr Gly Lys Pro Phe Asn Pro Leu Leu Gly Glu Thr Tyr
                110                 115                 120
Glu Leu Val Arg Asp Asp Leu Gly Phe Arg Leu Ile Ser Glu Gln
                125                 130                 135
Val Ser His His Pro Pro Ile Ser Ala Phe His Ala Glu Gly Leu
                140                 145                 150
Asn Asn Asp Phe Ile Phe His Gly Ser Ile Tyr Pro Lys Leu Lys
                155                 160                 165
Phe Trp Gly Lys Ser Val Glu Ala Glu Pro Lys Gly Thr Ile Thr
                170                 175                 180
Leu Glu Leu Leu Glu His Asn Glu Ala Tyr Thr Trp Thr Asn Pro
                185                 190                 195
Thr Cys Cys Val His Asn Ile Ile Val Gly Lys Leu Trp Ile Glu
                200                 205                 210
Gln Tyr Gly Asn Val Glu Ile Ile Asn His Lys Thr Gly Asp Lys
                215                 220                 225
Cys Val Leu Asn Phe Lys Pro Cys Gly Leu Phe Gly Lys Glu Leu
                230                 235                 240
His Lys Val Glu Gly Tyr Ile Gln Asp Lys Ser Lys Lys Lys Leu
                245                 250                 255
Cys Ala Leu Tyr Gly Lys Trp Thr Glu Cys Leu Tyr Ser Val Asp
                260                 265                 270
Pro Ala Thr Phe Asp Ala Tyr Lys Lys Asn Asp Lys Lys Asn Thr
                275                 280                 285
Glu Glu Lys Lys Asn Ser Lys Gln Met Ser Thr Ser Glu Glu Leu
                290                 295                 300
Asp Glu Met Pro Val Pro Asp Ser Glu Ser Val Phe Ile Ile Pro
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305 310 315
Gly Ser Val Leu Leu Trp Arg Ile Ala Pro Arg Pro Pro Asn Ser
320 325 330
Ala Gln Met Tyr Asn Phe Thr Ser Phe Ala Met Val Leu Asn Glu
335 340 345
Val Asp Lys Asp Met Glu Ser Val Ile Pro Lys Thr Asp Cys Arg
350 355 360
Leu Arg Pro Asp Ile Arg Ala Met Glu Asn Gly Glu Ile Asp Gln
365 370 375
Ala Ser Glu Glu Lys Lys Arg Leu Glu Glu Lys Gln Arg Ala Ala
380 385 390
Arg Lys Asn Arg Ser Lys Ser Glu Glu Asp Trp Lys Thr Arg Trp
395 400 405
Phe His Gln Gly Pro Asn Pro Tyr Asn Gly Ala Gln Asp Trp Ile
410 415 420
Tyr Ser Gly Ser Tyr Trp Asp Arg Asn Tyr Phe Asn Leu Pro Asp
425 430 435
Ile Tyr

<210> 10
<211> 427
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2798021CD1

<400> 10
Met Arg Gln Ala Ala Ala Asp Ala Lys Pro Glu Ser Leu Met Lys
1 5 10 15
Arg Leu Glu Glu Glu Ile Lys Phe Asn Leu Tyr Met Val Thr Glu
20 25 30
Lys Phe Pro Lys Glu Leu Glu Asn Lys Lys Lys Glu Leu His Phe
35 40 45
Leu Gln Lys Val Val Ser Glu Pro Ala Met Gly His Ser Asp Leu
50 55 60
Leu Glu Leu Glu Ser Lys Ile Asn Glu Ile Asn Thr Glu Ile Asn
65 70 75
Gln Leu Ile Glu Lys Lys Met Met Arg Asn Glu Pro Ile Glu Gly
80 85 90
Lys Leu Ser Leu Tyr Arg Gln Gln Ala Ser Ile Ile Ser Arg Lys
95 100 105
Lys Glu Ala Lys Ala Glu Glu Leu Gln Glu Ala Lys Glu Lys Leu
110 115 120
Ala Ser Leu Glu Arg Glu Ala Ser Val Lys Arg Asn Gln Thr Arg
125 130 135
Glu Phe Asp Gly Thr Glu Val Leu Lys Gly Asp Glu Phe Lys Arg
140 145 150
Tyr Val Asn Lys Leu Arg Ser Lys Ser Thr Val Phe Lys Lys Lys
155 160 165
His Gln Ile Ile Ala Glu Leu Lys Ala Glu Phe Gly Leu Leu Gln
170 175 180
Arg Thr Glu Glu Leu Leu Lys Gln Arg His Glu Asn Ile Gln Gln
185 190 195
Gln Leu Gln Thr Met Glu Glu Lys Lys Gly Ile Ser Gly Tyr Ser
200 205 210
Tyr Thr Gln Glu Glu Leu Glu Arg Val Ser Ala Leu Lys Ser Glu
215 220 225
Val Asp Glu Met Lys Gly Arg Thr Leu Asp Asp Met Ser Glu Met
230 235 240
Val Lys Lys Leu Tyr Ser Leu Val Ser Glu Lys Lys Ser Ala Leu
245 250 255
Ala Ser Val Ile Lys Glu Leu Arg Gln Leu Arg Gln Lys Tyr Gln
260 265 270
Glu Leu Thr Gln Glu Cys Asp Glu Lys Lys Ser Gln Tyr Asp Ser
275 280 285

Cys Ala Ala Gly Leu Glu Ser Asn Arg Ser Lys Leu Glu Gln Glu
290 295 300
Val Arg Arg Leu Arg Glu Glu Cys Leu Gln Glu Glu Ser Arg Tyr
305 310 315
His Tyr Thr Asn Cys Met Ile Lys Asn Leu Glu Val Gln Leu Arg
320 325 330
Arg Ala Thr Asp Glu Met Lys Ala Tyr Ile Ser Ser Asp Gln Gln
335 340 345
Glu Lys Arg Lys Ala Ile Arg Glu Gln Tyr Thr Lys Asn Thr Ala
350 355 360
Glu Gln Glu Asn Leu Gly Lys Lys Leu Arg Glu Lys Gln Lys Val
365 370 375
Ile Arg Glu Ser His Gly Pro Asn Met Lys Gln Ala Lys Met Trp
380 385 390
Arg Asp Leu Glu Gln Leu Met Glu Cys Lys Lys Gln Cys Phe Leu
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<213> Homo sapiens

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35 40 45
Pro Ile Cys Val Leu Tyr Val Gln Gly Val Gly Asn Lys Glu Trp
50 55 60
Arg Glu Phe Gly Arg Thr Glu Val Ile Asp Asn Thr Leu Asn Pro
65 70 75
Asp Phe Val Arg Lys Phe Ile Leu Asp Tyr Phe Phe Glu Glu Arg
80 85 90
Glu Asn Leu Arg Phe Asp Leu Tyr Asp Val Asp Ser Lys Ser Pro
95 100 105
Asn Leu Ser Lys His Asp Phe Leu Gly Gln Val Phe Cys Thr Leu
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Gly Glu Ile Val Gly Ser Gln Gly Ser Arg Leu Glu Lys Pro Ile
125 130 135
Val Gly Ile Pro Gly Lys Lys Cys Gly Thr Ile Ile Leu Thr Ala
140 145 150
Glu Glu Leu Asn Cys Cys Arg Asp Ala Val Leu Met Gln Phe Cys
155 160 165
Ala Asn Lys Leu Asp Lys Lys Asp Phe Phe Gly Lys Ser Asp Pro
170 175 180
Phe Leu Val Phe Tyr Arg Ser Asn Glu Asp Gly Ser Phe Thr Ile
185 190 195
Cys His Lys Thr Glu Val Val Lys Asn Thr Leu Asn Pro Val Trp
200 205 210
Gln Ala Phe Lys Ile Ser Val Arg Ala Leu Cys Asn Gly Asp Tyr
215 220 225
Asp Arg Thr Ile Lys Val Glu Val Tyr Asp Trp Asp Arg Asp Gly
230 235 240
Ser His Asp Phe Ile Gly Glu Phe Thr Thr Ser Tyr Arg Glu Leu
245 250 255
Ser Arg Gly Gln Ser Gln Phe Asn Val Tyr Glu Val Val Asn Pro
260 265 270

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                305                 310                 315
Phe Thr Ala Ser Asn Gly Asn Pro Ala Gln Pro Thr Ser Leu His
                320                 325                 330
Tyr Met Asn Pro Tyr Gln Leu Asn Ala Tyr Gly Met Ala Leu Lys
                335                 340                 345
Ala Val Gly Glu Ile Val Gln Asp Tyr Asp Ser Asp Lys Met Phe
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Pro Ala Leu Gly Phe Gly Ala Lys Leu Pro Pro Asp Gly Arg Ile
                365                 370                 375
Ser His Glu Phe Ala Leu Asn Gly Asn Pro Gln Asn Pro Tyr Cys
                380                 385                 390
Asp Gly Ile Glu Gly Val Met Glu Ala Tyr Tyr Arg Ser Leu Lys
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Ser Val Gln Leu Tyr Gly Pro Thr Asn Phe Ala Pro Val Ile Asn
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His Val Ala Arg Tyr Ala Ser Ser Val Lys Asp Gly Ser Gln Tyr
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Phe Val Leu Leu Ile Val Thr Asp Gly Val Ile Ser Asp Met Ala
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Gln Thr Lys Glu Ser Ile Val Asn Ala Ser Lys Leu Pro Met Ser
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Ala Glu Arg Asp Ile Val Gln Phe Val Pro Phe Arg Asp Tyr Ile
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Asp Arg Ser Gly Asn His Ile Leu Ser Met Ala Arg Leu Ala Lys
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Ala Ile Thr Phe Pro Ile Gln Lys Val Leu Phe Arg Gln Gln Leu
                50                  55                  60
Tyr Gly Ile Lys Thr Arg Asp Ala Ile Leu Gln Leu Arg Arg Asp
                65                  70                  75
Gly Phe Arg Asn Leu Tyr Arg Gly Ile Leu Pro Pro Leu Met Gln
                80                  85                  90
Lys Thr Thr Thr Leu Ala Leu Met Phe Gly Leu Tyr Glu Asp Leu
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Ser Cys Leu Leu His Lys His Val Ser Ala Pro Glu Phe Ala Thr
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Thr Pro Leu Glu Arg Val Gln Thr Leu Leu Gln Asp His Lys His
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His Asp Lys Phe Thr Asn Thr Tyr Gln Ala Phe Lys Ala Leu Lys
                155                 160                 165
Cys His Gly Ile Gly Glu Tyr Tyr Arg Gly Leu Val Pro Ile Leu
                170                 175                 180
Phe Arg Asn Gly Leu Ser Asn Val Leu Phe Phe Gly Leu Arg Gly
                185                 190                 195
Pro Ile Lys Glu His Leu Pro Thr Ala Thr Thr His Ser Ala His
                200                 205                 210
Leu Val Asn Asp Phe Ile Cys Gly Gly Leu Leu Gly Ala Met Leu
                215                 220                 225
Gly Phe Leu Phe Phe Pro Ile Asn Val Val Lys Thr Arg Ile Gln
                230                 235                 240
Ser Gln Ile Gly Gly Glu Phe Gln Ser Phe Pro Lys Val Phe Gln
                245                 250                 255
Lys Ile Trp Leu Glu Arg Asp Arg Lys Leu Ile Asn Leu Phe Arg
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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte ID No: 2454393CB1

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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

<220>
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